

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| S1    | 20127 | piston with design  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/12/05 17:50 |
| S2    | 6     | S1 and (((("2" two "3" threee) adj2 dimension\$4) with model)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/06 21:54 |
| S3    | 5     | S1 and (piston with model with shape with internal with combustion) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/11/30 17:51 |
| S4    | 7     | S1 and (piston with model with shape with combustion)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/11/30 17:52 |
| S5    | 16    | S1 and (piston with model with shape)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/11/30 17:54 |
| S6    | 7     | S1 and (piston with model with shape) and computer                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/12/01 11:44 |
| S7    | 53    | S1 and (piston with model ) and computer                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/11/30 17:55 |
| S8    | 20127 | piston with design  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/06 21:50 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S9  | 7     | S8 and (piston with model\$5 with shape) and computer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/01 12:03 |
| S11 | 1157  | (703/6,7).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/05 19:10 |
| S12 | 1     | S11 and (piston with model\$4 with design)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05 19:11 |
| S13 | 152   | S11 and (((("2" two "3" threee) adj2 dimension\$4) with model\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/01 12:05 |
| S14 | 2     | S13 and piston  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/01 12:05 |
| S15 | 8     | ("20030093214"   "20030192495"   "5596956"   "6202609"   "6230675"   "6401675"   "6575128"   "6595187").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/12/01 15:10 |
| S16 | 0     | ("6994061").URPN.   | USPAT   | OR | ON  | 2006/12/01 15:13 |
| S17 | 10194 | deform\$7 with (mesh model)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/01 15:16 |
| S20 | 61    | S17 and (ADPL "ANSYS")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/06 18:48 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S21 | 3     | S20 and piston  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/01 15:35 |
| S22 | 4     | "6219049".pn. "20020175948"                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/06 17:54 |
| S23 | 10204 | deform\$7 with (mesh model)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/06 18:47 |
| S24 | 3652  | ((703/6,7) or (345/441-443,420)).<br>CCLS.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/05 19:10 |
| S25 | 1     | S24 and (piston with model\$4 with<br>design)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/06 17:06 |
| S26 | 397   | S24 and (((("2" two "3" threee) adj2<br>dimension\$4) with model) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/06 17:06 |
| S27 | 3     | S26 and piston  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05 19:16 |
| S29 | 3652  | ((703/6,7) or (345/441-443,420)).<br>CCLS.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/06 17:06 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S30 | 397   | S29 and (((("2" two "3" three) adj2 dimension\$4) with model) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 17:06 |
| S31 | 397   | S30 and ( model\$4 design\$7)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 17:34 |
| S33 | 180   | S31 and CAD   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 18:15 |
| S34 | 6     | ("5341461").URPN.   | USPAT   | OR | ON | 2007/01/06 17:41 |
| S36 | 2     | "5701403".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 17:54 |
| S37 | 59    | S33 and deform\$6   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 18:16 |
| S38 | 20219 | piston with design  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 21:51 |
| S39 | 104   | S38 and (counter adj weight)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 21:53 |
| S40 | 103   | S39 and draw\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 21:54 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S41 | 1  | S40 and (((("2" two) adj2<br>dimension\$4) with model) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 21:54 |
| S42 | 10 | S40 and model  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/06 21:55 |